

**2.4.1 Carbon Dioxide Emissions for U.S. Residential Buildings, by Year (Million Metric Tons) (1)**

	Residential				U.S.		Res.% of Total U.S.	Res.% of Total Global
	Site Fossil	Electricity	Total	Growth Rate 2006-Year	Total	Growth Rate 2006-Year		
1980	385	525	909	-	4723	-	19%	5.0%
1981	361	518	878	-	4601	-	19%	4.9%
1982	359	511	870	-	4357	-	20%	4.8%
1983	340	525	865	-	4332	-	20%	4.8%
1984	349	535	883	-	4561	-	19%	4.7%
1985	351	549	901	-	4559	-	20%	4.6%
1986	343	551	894	-	4564	-	20%	4.5%
1987	346	574	920	-	4714	-	20%	4.5%
1988	367	603	970	-	4939	-	20%	4.6%
1989	374	606	980	-	4983	-	20%	4.6%
1990	342	620	962	-	5012	-	19%	4.5%
1991	348	629	977	-	4965	-	20%	4.6%
1992	358	620	979	-	5063	-	19%	4.6%
1993	374	665	1039	-	5168	-	20%	4.8%
1994	366	666	1032	-	5246	-	20%	4.8%
1995	363	676	1039	-	5301	-	20%	4.7%
1996	391	707	1098	-	5488	-	20%	4.9%
1997	373	717	1090	-	5569	-	20%	4.7%
1998	340	757	1097	-	5606	-	20%	4.8%
1999	361	759	1120	-	5669	-	20%	4.8%
2000	380	802	1182	-	5847	-	20%	5.0%
2001	368	803	1171	-	5749	-	20%	4.9%
2002	367	829	1196	-	5813	-	21%	4.9%
2003	385	839	1224	-	5866	-	21%	4.7%
2004	372	850	1221	-	5957	-	21%	4.5%
2005	363	890	1253	-	5982	-	21%	4.4%
<b>2006</b>	<b>326</b>	<b>866</b>	<b>1192</b>	-	<b>5890</b>	-	<b>20%</b>	<b>4.3%</b>
2007	354	887	1241	4.2%	5977	1.5%	21%	4.3%
2008	362	886	1248	2.3%	5983	0.8%	21%	4.2%
2009	362	899	1261	1.9%	5978	0.5%	21%	4.2%
2010	355	904	1259	1.4%	6011	0.5%	21%	4.0%
2011	358	914	1271	1.3%	6087	0.7%	21%	4.0%
2012	361	924	1285	1.3%	6144	0.7%	21%	4.0%
2013	363	906	1269	0.9%	6154	0.6%	21%	3.9%
2014	365	909	1274	0.8%	6187	0.6%	21%	3.8%
2015	367	913	1281	0.8%	6226	0.6%	21%	3.7%
2016	370	921	1291	0.8%	6272	0.6%	21%	3.7%
2017	371	928	1299	0.8%	6308	0.6%	21%	3.7%
2018	372	938	1310	0.8%	6350	0.6%	21%	3.7%
2019	373	945	1318	0.8%	6368	0.6%	21%	3.6%
2020	374	949	1324	0.8%	6384	0.6%	21%	3.6%
2021	375	957	1332	0.7%	6416	0.6%	21%	3.6%
2022	375	967	1343	0.7%	6438	0.6%	21%	3.5%
2023	375	979	1354	0.8%	6483	0.6%	21%	3.5%
2024	376	994	1370	0.8%	6531	0.6%	21%	3.5%
2025	375	1004	1379	0.8%	6571	0.6%	21%	3.5%
2026	375	1017	1392	0.8%	6622	0.6%	21%	3.4%
2027	374	1032	1406	0.8%	6678	0.6%	21%	3.4%
2028	375	1048	1423	0.8%	6735	0.6%	21%	3.4%
2029	373	1060	1432	0.8%	6783	0.6%	21%	3.4%
2030	372	1079	1451	0.8%	6851	0.6%	21%	3.4%

Note(s): 1) Excludes emissions of buildings-related energy consumption in the industrial sector. Emissions assume complete combustion from energy consumption and exclude energy production activities such as gas flaring, coal mining, and cement production. 2) Carbon emissions calculated from EIA, Assumptions to the AEO 2008 and differs from EIA, AEO 2008, Table A18. Buildings sector total varies by 0.7% for year 2006 from EIA, AEO 2008. 3) U.S. buildings emissions approximately equal the combined carbon emissions of Japan,

France, and the United Kingdom.

Source(s): EIA, Emissions of Greenhouse Gases in the U.S. 1985-1990, Sept. 1993, Appendix B, Tables B1-B5, p. 73-74 for 1980; EIA, Emissions of Greenhouse Gases in the U.S. 2003, Dec. 2004, Tables 7-11, p. 29-31 for 1990 and 2000; EIA, Assumptions to the Annual Energy Outlook 2008, June 2008, Table 2, p. 9 for carbon coefficients; EIA, AEO 2008, Mar. 2008, Table A2, p. 137-139 for 2006-2030 energy consumption and Table A18, p. 164 for 2006-2030 emissions; EIA, International Energy Outlook 2007, May 2007, Table A10, p. 93 for 2004-2030 global emissions; and EIA, International Energy Annual 2007, July 2008, Table H1, [www.eia.doe.gov](http://www.eia.doe.gov) for 1980-2000 global emission.